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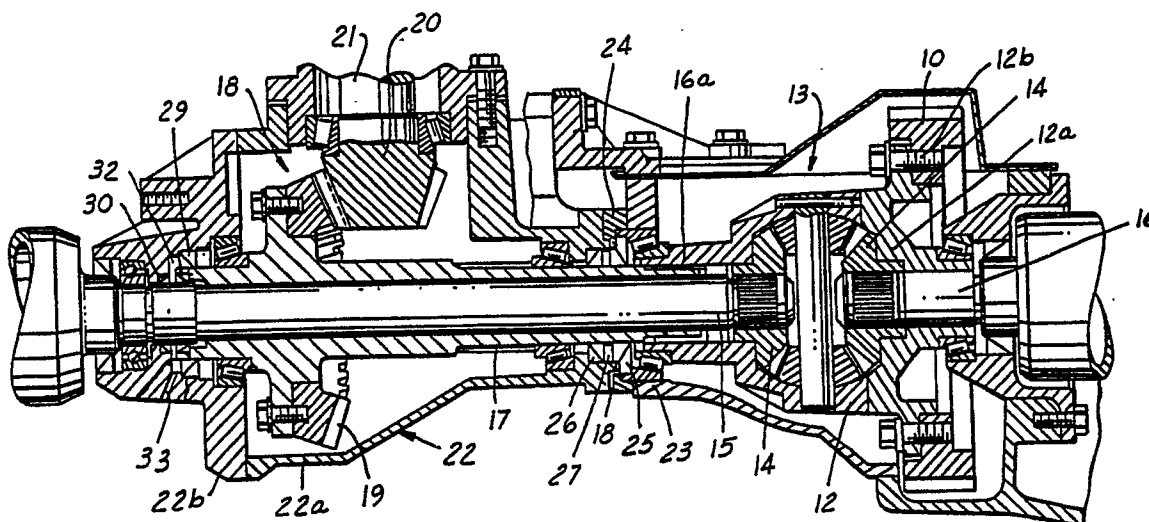
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(54) **Front axle for an all-wheel drive vehicle.**

(57) A front transaxle for an all-wheel drive motor vehicle wherein the housing (12, 12a, 12b) of an interaxle differential (13) is operatively connected to a shiftable transmission and, via a tubular shaft (17), drives one bevel gear (19) of an angle drive (18). The other angle drive bevel gear (20) is operatively connected to a longitudinal propeller shaft (21) for driving the rear axle. One front wheel drive shaft (15) extends from the interaxle differential through the

tubular shaft. The housing (22, 22a, 22b) of the angle drive is connected by a flanged joint (24) to the transmission outer housing (23). The arrangement permits the differential and angle drive subassemblies to be manufactured and tested at different locations while preventing the mixing of lubricants between the two subassemblies upon their assembly into the transaxle.

FIG.1



EP 0 321 436 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Y	US-A-4 669 332 (N. KATAYAMA) * figure 2; column 3, lines 4-56 * ---	1,2	B 60 K 17/34 B 60 K 17/16
A	WO-A-8 602 049 (ZAHNRADFABRIK FRIEDRICHSHAFEN AG) * abstract; figure 1 * ---	1	
D,A	US-A-4 601 359 (P.H. WEISMANN et al.) * figure 3; column 4, line 66 - column 5, line 1 * ---	1	
D,A	EP-A-0 198 812 (STEYR-DAIMLER-PUCH AG) * whole document * ---	1	
A	FR-A-1 022 861 (H.-R.-P. DEMEESTER) * whole document * ---	1,2	
Y	DE-C- 855 783 (SIEMENS-SCHUCKERTWERKE AG) * whole document * -----	1,2	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 60 K F 16 J
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 12-02-1990	Examiner BROYDE M P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			